

008971647

WPI Acc No: 92-098916/199213

XRAM Acc No: C92-045877

XRPX Acc No: N92-074058

**New short form enkephalinase polypeptide - for treatment of
gastrointestinal or cardiovascular disorders and in diagnosis of
enkephalinase-mediated disorders**

Patent Assignee: INSERM INST NAT SANTE & RECH MED (INRM)

Inventor: GI ; GIROS B; LLORENSCOR C; POLLARD H; SCHWARTZ J C

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
FR 2664287	A	19920110	FR 908416	A	19900703		199213 B

Priority Applications (No Type Date): FR 908416 A 19900703

Patent Details:

Patent	Kind	Lan Pg	Filing Notes	Application	Patent
FR 2664287	A	32			

Abstract (Basic): FR 2664287 A

Enzymatically active peptide (I) comprises the following sequence of 255 amino acids (AA) or a variant of this sequence with addn., deletion or substitution of one or more AA provided that the variant is a metallopeptidase having the same specificity as (I) are regards substrates and inhibitors.

Also new are (1) nucleic acids (II) encoding (I) or its variants; (2) recombinant vectors contg. (II); (3) host cells transformed with such vectors; (4) antibodies (Ab) directed against (I) but unable to recognise the enkephalinase (Ia) of EP-272928; (5) nucleotide probes which hybridise with (II) (or their complementary sequences) but not with the gene or mRNA for (Ia).

USE/ADVANTAGE - (I) is a shortened isoform of (Ia); it can hydrolyse Met5-enkephalin and model substrates and is inhibited by thiorphane. Inhibitors of (I) (e.g. Zn ion chelators) can be used to modify the activity of (I), e.g. for treatment of gastrointestinal and cardiovascular disorders. The nucleotide probes are useful (in hybridisation tests) (1) to diagnose disorders involving an abnormal, alternative splicing mechanism and (2) to identify tissue (e.g. from the intermediate lobe of the hypophysis) where (I) is expressed exclusively or predominantly, esp. to identify (I) inhibitors. Ab can be used to purify (I); as a diagnostic reagent and therapeutically.

Dwg.0/1

Title Terms: NEW; SHORT; FORM; ENKEPHALINASE; POLYPEPTIDE; TREAT; GASTRO; CARDIOVASCULAR; DISORDER; DIAGNOSE; ENKEPHALINASE; MEDIATOR; DISORDER

Derwent Class: B04; D16; R16

International Patent Class (Additional): A61K-037/64; C07K-013/00; C12N-009/64; C12N-015/57; C12Q-001/68; G01N-033/68

File Segment: CPI; EPI

Manual Codes (CPI/A-N): B04-B02C3; B04-B04A1; B04-B04A3; B04-B04C6; B04-B04F; B11-C08; B12-F01; B12-J01; B12-K04A; D05-H03B; D05-H09; D05-H12

Chemical Fragment Codes (M1):

01 M423 M710 M903 P522 P714 Q233 V802 V815 V902 V917

02 M423 M710 M903 N135 P831 Q233 V500 V540 V600 V611 V753 V754